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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 3

## **Complete if Known**

Application Number	09/288,719
Filing Date	April 9, 1999
First Named Inventor	Roland KONTERMANN et al.
Group Art Unit	1632
Examiner Name	A. Beckerleg
Attorney Docket Number	38005-0121

## **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AK	F1	BALTAZAR BECERRIL et al., "Toward Selection of Internalizing Antibodies from Phage Libraries", Biochemical and Biophysical Research Communications, 1999, pp. 386-393, No. 255, Academic Press	
	F2	JOHN de KRUIF et al., "Selection And Application Of Human Single Chain Fv Antibody Fragments From A Semi-synthetic Phage Antibody Display Library With Designed CDR3 Regions", J. Mol. Biol., 1995, pp. 97-105, No. 248, Academic Press Limited	
	F3	JOANNE T. DOUGLAS et al., "Targeted Gene Delivery By Tropism-Modified Adenoviral Vectors", Nature Biotechnology, November 1996, pp. 1574-1578, Vol. 14	
	F4	STEFAN DÜBEL et al., "Isolation of IgG Antibody Fv-DNA From Various Mouse and Rat Hybridoma Cell Lines Using The Polymerase Chain Reaction With A Simple Set Of Primers", Journal of Immunological Methods, 1994, pp. 89-95, No. 175, Elsevier Science B.V.	
	F5	S. GOTTSCHALK et al., "A Novel DNA-Peptide Complex For Efficient Gene Transfer And Expression In Mammalian Cells", Gene Therapy, 1996, pp. 448-457, No. 3, Stockton Press	
	F6	Y.-J. JANG et al., "The Structural Basis For DNA Binding By An Anti-DNA Autoantibody", Molecular Immunology, 1998, pp. 1207-1217, No. 35, Elsevier Science Ltd.	
	F7	GABOR KLIVENYI et al., "Gallium-68 Chelate Imaging Of Human Colon Carcinoma Xenografts Pretargeted With Bispecific Anti-CD44 <sub>v6</sub> /Anti-Gallium Chelate Antibodies", J. Nucl Med, 1998, pp. 1769-1776, No. 39	
	F8	ANKE KREBBER et al., "Reliable Cloning Of Functional Antibody Variable Domains From Hybridomas and Spleen Cell Repertoires Employing A Reengineered Phage Display System", Journal of Immunological Methods, 1997, pp. 35-55, No. 201, Elsevier Science B.V.	
	F9	JAYNE LESLEY et al., "Modulation Of Transferrin Receptor Expression And Function By Anti-Transferrin Receptor Antibodies And Antibody Fragments", Experimental Cell Research, 1989, pp. 215-233, No. 182, Academic Press, Inc.	
	F10	DIRK M. NETTELBECK et al., "Targeting Of Adenovirus To Endothelial Cells By A Bispecific Single-Chain Diabody Directed Against The Adenovirus Fiber Knob Domain And Human Endoglin (CD105)", Molecular Therapy, June 2001, pp. 882-891, Vol. 3, No. 6, The American Society of Gene Therapy	
	F11	HE LIU et al., "Constitutive And Antibody-Induced Internalization Of Prostate-Specific Membrane Antigen", Cancer Research, September 15, 1998, No. 4055-4060, No. 58	

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Date  
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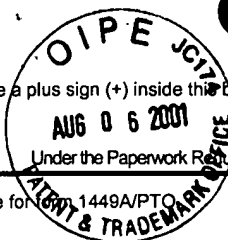
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Sheet 2 of 3

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First Named Inventor	Roland KONTERMANN et al.
Group Art Unit	1632
Examiner Name	A. Beckerleg
Attorney Docket Number	38005-0121

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DL	F12	AHUVA NISSIM et al., "Antibody Fragments From A 'Single Pot' Phage Display Library As Immunochemical Reagents", The EMBO Journal, 1994, pp. 692-698, Vol. 13, No. 3, Oxford University Press	
	F13	ELVYRA J. NORONHA et al., "Limited Diversity Of Human scFv Fragments Isolated By Panning A Synthetic Phage-Display ScFv Library With Cultured Human Melanoma Cells", The Journal of Immunology, 1998, pp. 2968-2976, No. 161, The American Association of Immunologists	
	F14	JANE K. OSBOURN et al., "Generation Of A Panel Of Related Human scFv Antibodies With High Affinities For Human CEA", Immunotechnology, 1996, pp. 181-196, No. 2, Elsevier Science B.V.	
	F15	MIREIA PELEGRIN et al., "Genetically Engineered Antibodies In Gene Transfer And Gene Therapy", Human Gene Therapy, October 10, 1998, pp. 2165-2175, No. 9	
	F16	GEOFFREY A. PIETERSZ et al., "Comparison Of The Biological Properties Of Two Anti-Mucin-1 Antibodies Prepared For Imaging And Therapy", Cancer Immunol Immunother, 1997, pp. 323-328, No. 44, Springer-Verlag	
	F17	DON L. SIEGEL et al., "Isolation Of Cell Surface-Specific Human Monoclonal Antibodies Using Phage Display And Magnetically-Activated Cell Sorting: Applications In Immunohematology", Journal of Immunological Methods, 1997, pp. 73-85, No. 206, Elsevier Science B.V.	
	F18	MARCEL SPAARGAREN et al., "Antibody-Induced Dimerization Activates The Epidermal Growth Factor Receptor Tyrosine Kinase", The Journal of Biological Chemistry, January 25, 1991, pp. 1733-1739, Vol. 266, No. 3, The American Society for Biochemistry and Molecular Biology, Inc.	
	F19	B. DAVID STOLLAR, "Bacterial Expression Of Anti-DNA Antibody Domains", Methods: A Comparison to Methods in Enzymology, 1997, pp. 12-19, No. 11, Academic Press, Inc.	
	F20	ELDA TAGLIABUE et al., "Selection Of Monoclonal Antibodies Which Induce Internalization And Phosphorylation Of p185 <sup>HER2</sup> And Growth Inhibition Of Cells With HER2/NEU Gene Amplification", Intl. J. Cancer, 1991, pp. 933-937, No. 47, Wiley-Liss, Inc.	
	F21	JESPER TORDSSON et al., "Efficient Selection Of ScFv Antibody Phage By Adsorption To In Situ Expressed Antigens In Tissue Selections", Journal of Immunological Methods, 1997, pp. 11-23, No. 210, Elsevier Science B.V.	
	F22	GEORGIA TSALTAS et al., "Demonstration Of Monoclonal Anti-Carcinoembryonic Antigen (CEA) Antibody Internalization By Electron Microscopy, Western Blotting And Radioimmunoassay", Anticancer Research, 1992, pp. 2133-2142, No. 12	

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Date Considered

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	F24	PHILIP L. YEAGLE et al., "Effects Of The 'Fusion Peptide' From Measles Virus On The Structure Of N-Methyl Dioleoylphosphatidylethanolamine Membranes And Their Fusion With Sendai Virus", Biochimica et Biophysica Acta, 1991, pp. 49-53, No. 1065, Elsevier Science Publishers B.V.	
	F25	HUI ZHU et al., "Tumor Pretargeting For Radioimmunodetection And Radioimmunotherapy", J. Nucl Med, 1998, pp. 65-76, No. 39	
	F26	TRISTAN J. VAUGHAN et al., "Human Antibodies With Sub-Nanomolar Affinities Isolated From A Large Non-Immunized Phage Display Library", Nature Biotechnology, March 1996, Vol. 14	
	F27	INDER M. VERMA et al., "Gene Therapy-Promises, Problems And Prospects", Nature, September 18, 1997, pp. 239-242, Vol. 389	
	F28	SJ WATKINS et al., "The 'Adenobody' Approach To Viral Targeting: Specific And Enhanced Adenoviral Gene Delivery", Gene Therapy, 1997, pp. 1004-1012, No. 4, Stockton Press	
	F29	THOMAS J. WICKHAM et al., "Targeted Adenovirus Gene Transfer To Endothelial And Smooth Muscle Cells By Using Bispecific Antibodies", J. Virol, October 1996, pp. 6831-6838, Vol. 70, No. 10, American Society for Microbiology	
	F30	GREG WINTER et al., "Making Antibodies By Phage Display Technology", Annu. Rev. Immunol., 1994, pp. 433-55, No. 12, Annual Review Inc.	
	F31	CHRISTOPH UHEREK et al., "A Modular DNA Carrier Protein Based On The Structure Of Diphtheria Toxin Mediates Target Cell-Specific Gene Delivery", The Journal of Biological Chemistry, April 10, 1998, pp. 8635-8841, Vol. 273, No. 15, The American Society for Biochemistry and Molecular Biology, Inc.	

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AO	G01	MEEGAN GRUBER et al., "Efficient Tumor Cell Lysis Mediated by a Bispecific Single Chain Antibody Expressed in Escherichia coli", The Journal of Immunology, 1994, pp. 5368-5374, Vol. 152, The American Association of Immunologists	
J	G02	JAN DE JONGE et al., "Production and Characterization of Bispecific Single-Chain Antibody Fragments", Molecular Immunology, 1995, pp. 1405-1412, Vol. 32, No. 17/18, Pergamon	
✓	G03	MATTHIAS MACK et al., "A Small Bispecific Antibody Construct Expressed as a Functional Single-Chain Molecule With High Tumor Cell Cytotoxicity", Proc. Natl. Acad. Sci. USA, July 1995, pp. 7021-7025, Vol. 92	
✓	G04	ISTVAN KURUCZ et al., "Retargeting of CTL by an Efficiently Refolded Bispecific Single-Chain Fv Dimer Produced in Bacteria", The Journal of Immunology, 1995, pp. 4576-4582, Vol. 154	

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